KAKABADZE, V.M.

USSR/ Chemistry

Physical chemistry

Card

: 1/1

Authors

Kakabadze, V. M., and Chachanidze, G. D.

Title

: About certain possible reactions in the barium derbonate - silica system

Periodical

Zhur. fiz. khim. 28, Ed. 6, 1013 - 1016, June 1954

Abstract

Thermodynamic investigations were conducted to determine what reactions may take place in the BaCO3 - SiC2 system and how these reactions conform with the experimental data available in literature and with thermodynamic data for other analogous systems. The results obtained are positively approximated because the concrete reaction process in solid phase depends also upon the non-thermodynamic factors, i.e., rate of diffusion of individual ions in crystalline lattices and upon the conditions of crystallization. Thirteen USSR references, Tables.

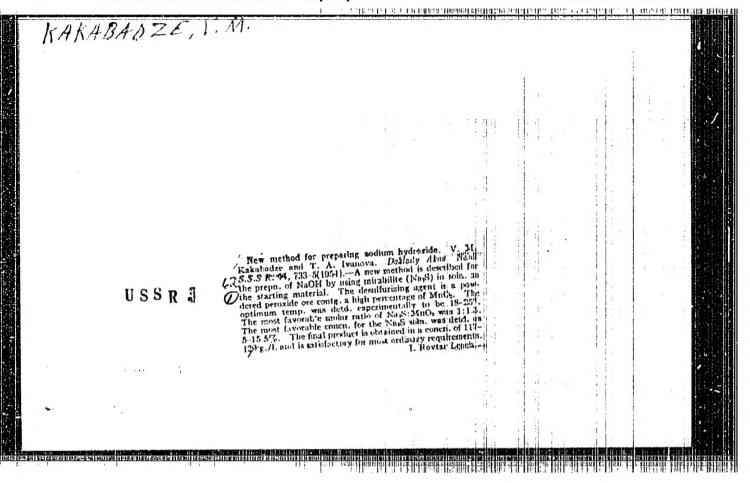
Institution

Acad. of Sc. Georg-SSR, Hetal and Mining Institute and the S. M. Kirdy

Polytechnicum, Tbilisi

Submitted

July 3, 1953



USSR/Chemical Technology -- Chemical Products and Their Application. Soda Industry, I-4

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1393

Kakabadze, V. M., and Ivanova, T. A. Author:

Institution: Georgian Polytechnical Institute

Title: Production of Caustic Soda by the Reaction of Sodium Sulfide with

Manganese Ores and Industrial Wastes (Manganses Process)

Original

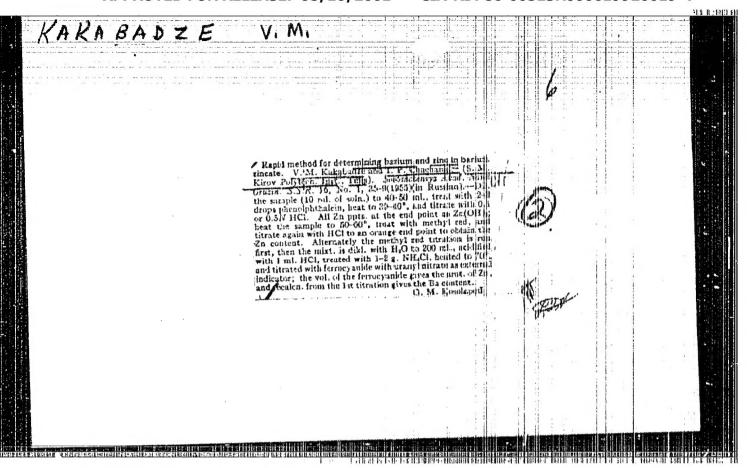
Periodical: Tr. Gruz. politekhn. in-ta, 1955, No 5 (40), 30-41 (Georgian summary)

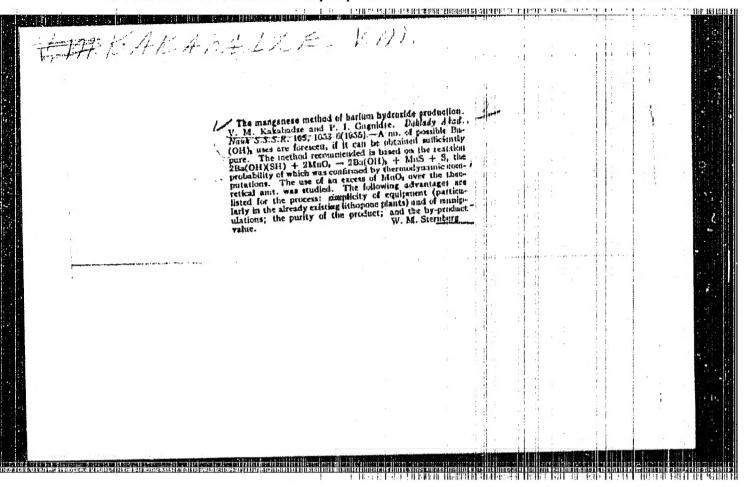
Abstract: The possibility of replacing expensive peroxide ores with low-cost ores and industrial wastes has been investigated. Among the sub-

stances which were tested are the following: black "bel'ta," red "bel'ta," manganese carbonate ore, anode slime from one of the operating plants, and manganese slime, a waste product of the Chiatur manganese industry. It has been established that manganese carbonate ore has a very low sulfur removing ability. Red

bel'ta and black bel'ta show a much greater activity (90 and 92%,

Card 1/2





KAKABADEE, V OF

USSR Chemical Technology. Chemical Products and Their Application

I-12

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31492

Author : Kakabadze V. M., Ivanova T. A.

Inst : Academy of Sciences Georgian SSR

Title : Manganous Procedure for the Preparation of

Water Glass from Sodium Sulfide

Orig Pub: Soobshch. AN GruzSSR, 1956, 17, No 3, 205-313

Abstract: Description of a new procedure of obtaining water

glass from Na-sulfide and diatomite on the basis of natural mirabilite. By means of manganese peroxide ore or of Mn-sludge the process of desulfurization of Na sulfide is effected with

Card 1/2

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619920019-4"

KAKABADZE, V.M.; KAKABADZE, I.L.

KAKAKAKATZE, 6 8

Absorption of nitrose gases by dry absorbents with simultaneous production of complex fertilizers. Soob. AN Orus. SSR 18 no.5: 549-556 My '57. (MLRA 10:9)

1. Grusinskiy politekhnicheskiy institut im, S.M. Kirova, Tbilisi, Predstavleno akademikom R.I. Agladze.

(Nitrose) (Absorption) (Fertilisers and manures)

SOV/68-59-5-14/25

AUTHOR: Kakabadze, V.M., Doctor of Technical Sciences, and

Sikharulidze, N.G.

TITLE: On the Problem of Decreasing the Consumption of Calcine

Soda in the Arsenic Soda Method of Purification of Industrial Gases from Hydrogen Sulphide (K voprosu snizheniva raskhoda kal'tsinirovannoy sody pri

mysh'yakovo-sodovom sposobe ochistki promyshlennykh

gazov ot serovodoroda)

PERIODICAL: Koks i khimiya, 1959, Nr 5, pp 39-42 (USSR)

ABSTRACT: The consumption of calcined soda takes place during the

regeneration of the absorbing solution due to the formation of hyposulphate and thiocyanide. Therefore, by decreasing the formation of the above two compounds, the consumption of soda can be reduced. During studies

of the solubility of arsenic trisulphide in alkali

solutions the authors found that sodium sulphide is the best solvent (Table 1) and when the latter is used as a solvent the ratio of Na : As can be decreased to 0.98 without the precipitation of arsenic (while this ratio

for the industrial absorbing solution equals 1.8). The

Card 1/3 influence of the Na: As ratio on the formation of

SOV/68-59-5-14/25

On the Problem of Decreasing the Consumption of Calcine Soda in the Arsenic Method of Purification of Industrial Gases from Hydrogen Sulphide

hyposulphite was investigated. It was found that the relationship can be expressed by and equation K = aebc (Fig 1), where K = velocity of formation of hyposulphite, g/l/hr 10⁻³; e = base of natural logarithms; c = ratio of Na:S; and a and b = constants. In view of the above, by using sodium sulphide instead of soda a decrease in the consumption of alkali can be obtained. Since sodium sulphide is more expensive than soda, the authors tested a soda solution saturated with hydrogen sulphide by passing raw coke oven gas. The results of the study of the saturation process are shown in Table 2. It was found that 90% of the initially absorbed cyanide is blown back into the gas and that about 62% saturation of H2S can be obtained. The use of saturated soda solution for maintaining pH of arsenic absorbing solution was tested on the Zakavkazskiy Coking Plant. The diagram of the plant used for saturation is shown in Fig 3 and the influ-

Card 2/3 ence of using saturated soda solution

rakara ang managas panggang kasasan kasasan na manggan na panggan na manggan manggan na manggan na manggan kasa

SOV/68-59-5-14/25 On the Problem of Decreasing the Consumption of Calcine Soda in the Arsenic Soda Method of Purification of Industrial Gases from Hydrogen Sulphide

on the consumption of calcined soda and arsenic in Table 3. The results obtained indicated that the consumption of soda decreased by 24% without any increase in the consumption of arsenic.

There are 3 figures, 3 tables and 3 Soviet references.

ASSOCIATION: Gruzinskiy politekhnicheskiy institut (Georgian polytechnical institute)

SOV/68--59--6--9/25

- A LET TRANSPORT TO ENGINEER CONSERVE TRANSPORT OF THE TEXT OF THE TANDET OF THE TRANSPORT OF THE TRANSPORT

Kakabadze, V.M. Doctor of Technical Sciences, AUTHORS:

Sikharulidze, N.G., and Cholokava, N.K.

On the Problem of Establishing the Activity of a TITLE: Soda-Arsenical Solution for Sulphur Purification (K

voprosu ustanovleniya aktivnosti poglotitel'nogo

rastvora mysh'yakovo-sodovoy seroochistki)

PERIODICAL: Koks i Khimiya, 1959 Nr 6, pp 35-38 (USSR)

ABSTRACT: The present method of the determination of the

conventional activity of soda-arsenical absorption solution shows no relationship between the activity determined and the degree of purification of gas from HoS obtained. The cause of this discrepancy is as

follows: on determining the activity, oxygen containing arsenical compounds precipitated by treatment of the analysed solution with the magnesia mixture are deducted from the residual arsenic. Meanwhile the treatment

removes compounds of the type Na3HAs2S403 which are the most active in the absorption of hydrogen sulphide. The activity of the absorption solution can be also evaluated

by ApH (difference in pH before and after regeneration Card 1/2 of the solution). The authors proposed the following

T STILLSTOR DE LETTE AND LONGOURS HOUSE HOUSE ROOM FRANCE OF THE LETTE AND A FLAT FOR A STATE OF THE FRANCE HE FRANC

On the Problem of Establishing the Activity of a Scda-Arsenical Solution for Sulphur Purification

formula for the determination of activity:

a = \frac{\Delta pH (As 203)^n}{(As 203)^n} \cdot 100%

where a = activity, (As 203)^n = residual arsenic, g/1; (As 203)^n = arsenical commounds free from oxygen. g/1. The formula was tested to the Zehrwhausky Modellungical Works and validity was confirmed. A linear relationship between the activity and percent desulphurization was obtained (Fig 1). In order to simplify continuous observation of the process of purification of gas an approximate method of determining the activity of absorption solution based on the ratio air/As 203 is proposed (Table 2); the Card 2/2 optimum value of the latter lies within a range of 0.16

There are 2 figures and 2 tables.

ASSOCIATION: Gruzinskiy politekhnicheskiy Institut (Georgian Polytechnical Institute)

to 0.19.

KAKABADZE, V.M.; IVANOVA, T.A.

Production of caustic sods and blanc fixe from barite and mirabilite. Soob.AN Grus.SSR 23 no.4:401-408 0 '59. (KIRA 13:5)

1. Grusinskiy politekhnicheskiy institut imeni V.I.Lonina, Tbilisi.

Predstavleno akademikom R.I. Agladse.

(Sodium hydroxide) (Barium sulfate)

The establishment of the interrelation between the individual factors of a normal technological regime in the arsenic-sods process of sulfur removal. Koks i khim. no.11:43-45 160, (MIRA 13:11)

1. Gruzinskiy politekhnicheskiy institut.
(Coke-oven gas) (Hydrogen sulfide)

KAKARADZE, V.M.; PANTSULAYA, T.V.

On roasting manganese sulfide. Zhur. VKHO 5 no.4:471 '60. (MEA 13:12)

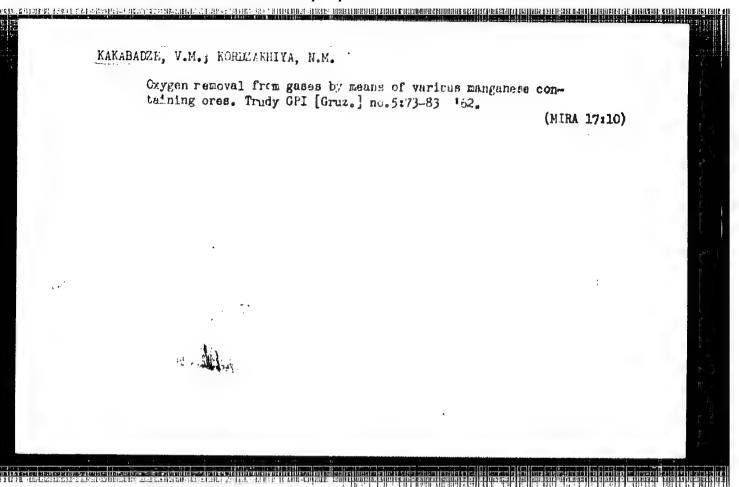
1. Gruzinskiy politekhnicheskiy institut imeni S.M.Kirova. (Manganese sulfide)

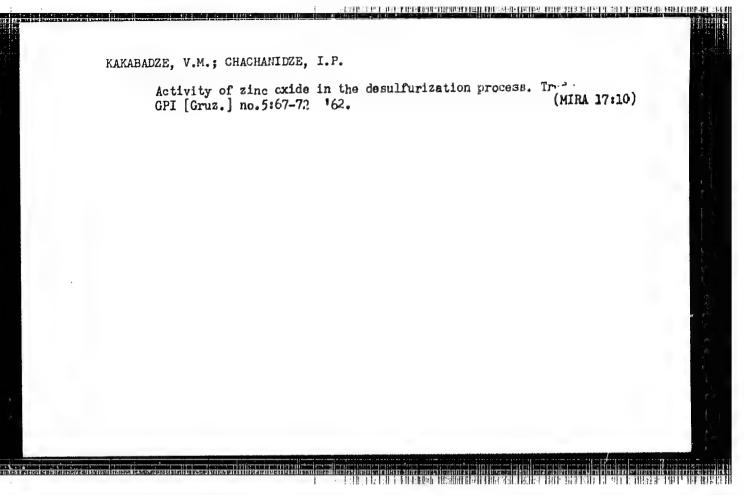
KAKARADZE, V.M.; CHAGUNAVA, V.T.; KORDZAKHIYA, N.H.

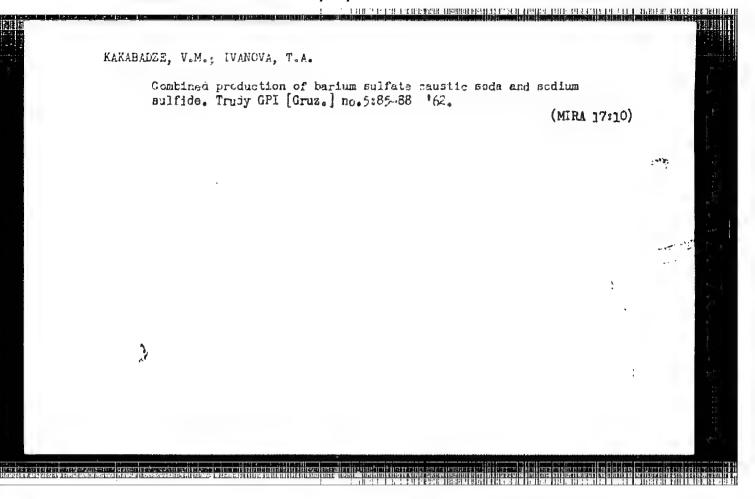
Admoving an admixture of oxygen from games by using a comples oxide ore. Soob.AH Grux.SSR 24 no.4:401-406 Ap '60.

(MIRA 13:7)

1. Gruzinskiy politekhnicheski nstitut im. V.I.Lenina. Fredstavleno akadesikom R.I.Agladze.
(Gases-Purification)
(Hanganese oxide)



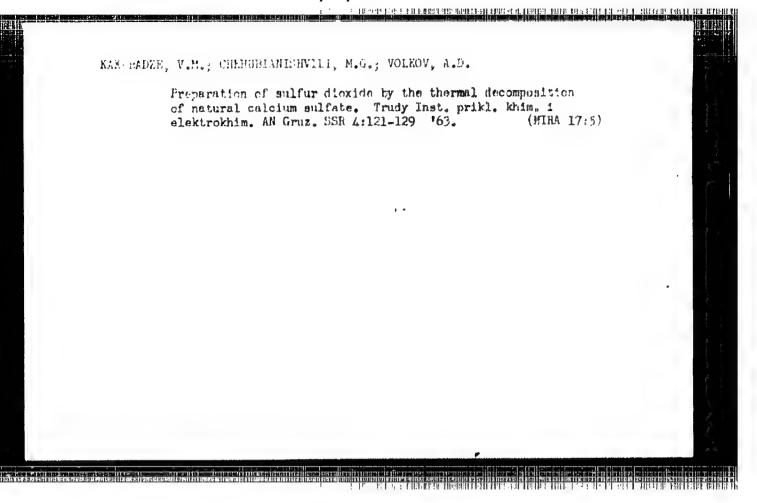




AREAGANEE, V.M.; NIKOLEICHVILI, W.G.; M-HVENITERANA, N.G.

Production of magnesium exide ty carbonization of an aqueous suspenation of aspentinite. Trudy Inst. prikl. khim. 1 claktrokhim.

AN Gruz. SSR 4:53-58 163. (NIRA 17:5)



NIKOLAYSHVILI, Z.G.; KAKABADZE, V.M.; MSHVENIYERADZE, N.G.

Production of a new fertilizer based on magnesium nitrate and urea. Soob. AN Gruz. SSR 33 no. 2:247-254 F '64.

(MIRA 17:9)

DANGADTE, N.D.; KAKABADTE, V.M.

Effect of the rate of coking on the coking capacity and caking a ility of Georgian coals. Soob. AN Gruz. SSR 36 no.1:93-99 0 '64.

1. Gruzinskiy politekhnicheskiy institut imeni lenima. Submitted January 15, 1964.

DAMMASE, N.D.; KAKABASE, V.M.

Effect of the compacting of coal charges on the coking dagacity, Scob.
AN Gruz. SSR 37 no.3:603-610 Mr '65.

1. Gruzinskiy politekhnicheskiy Institut imeni Lenini. Submitted
Nevember 19, 1964.

KAWARADZE, V.M.; NIKOLAYSHVILI, Z.G.; MSHVENIYERADZE, N.G.

Magnesium-containing complex fertilizers. Dokl. AN SSSR 155
no.1:183-186 Mr '64. (MIRA 17:4)

1. Gruzinskiy politekhnicheskiy institut im. V.I.Lenina i Institut prikladnoy khimii elektrokhimii AN GruzSSR.

KAKABADZE, V.M.; NIKOLAYSHVILI, Z.G.; MSHVENIYERADZE, N.G.; HEREZHIANI, L.B.

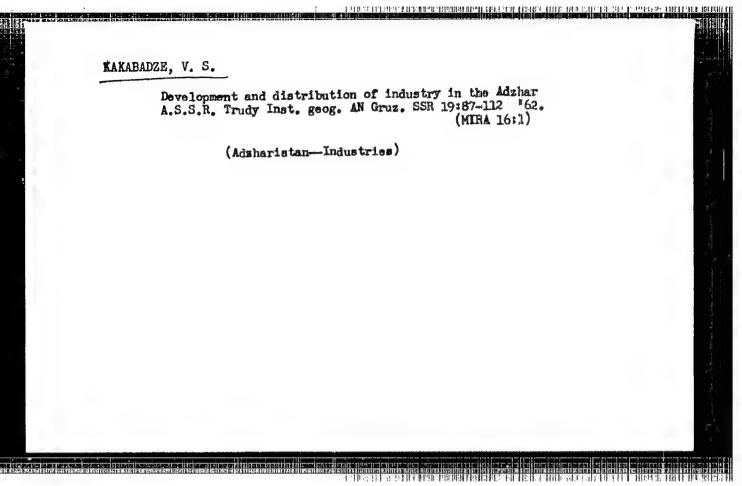
Physicochemical analysis of the products of interaction between magnesium nitrate and urea. Dokl. AN SSSR 161 no.5:1156-1157 Ap *65. (MIRA 18:5)

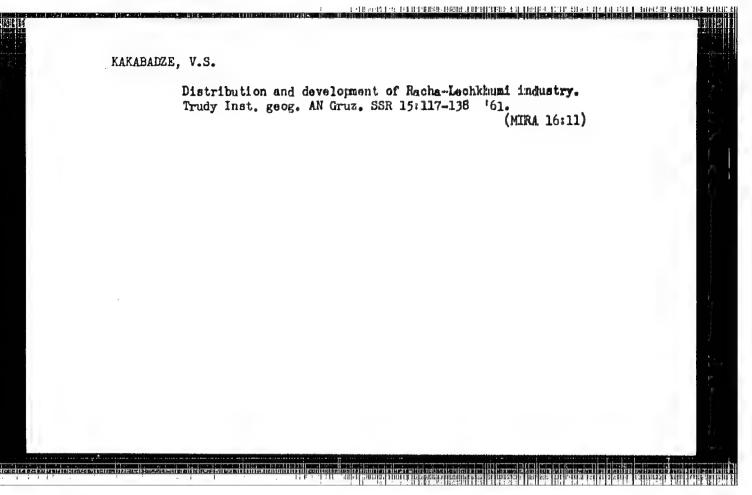
1. Gruzinskiy politekhnicheskiy institut im. V.I.Lenina. Submitted October 14, 1964.

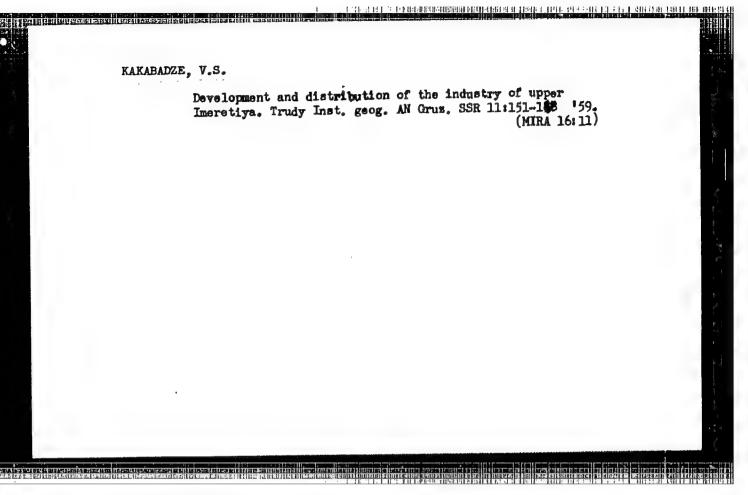
KAKABADZE, V.S.

Development and location of the building materials industry in the in the Lower Eartlia. Soob. AN Grus. SEER 17 no.7:623-628 '56 (MLRA 9:11)

1. Akademiya nauk Gruzinskoy SSR, Institut geografii imeni Vakhushti, Tbilisi. Predstavleno akademikom A.N. Dzhavakhishvili. (Kartlia--Building materials industry)



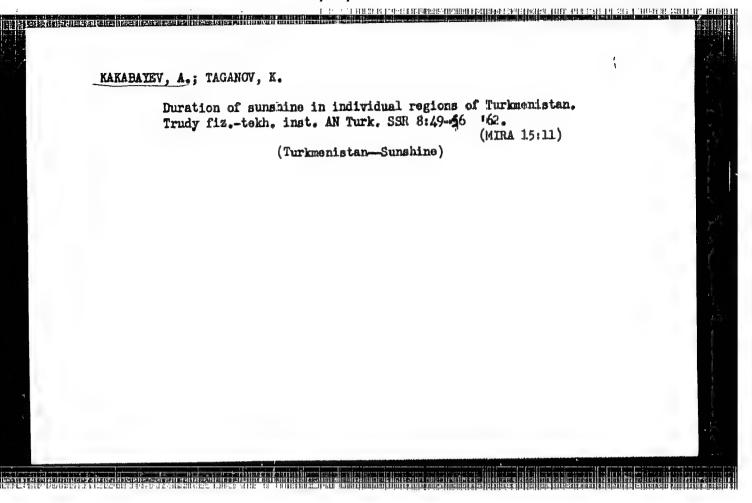




KAKABABEP, V.Ch.; SHCRIN, S.N.

Righ-temperature conversion of natural gas in a remotor with twisted streams. Soob. AN Graz. SSR 38 no.2:129-336 by 165. (MBA 18:9)

1. Moskovskiy institut khimicheskogo mashinostroyeniya Ministerstva vyashego i srednego spetsial'nogo obrazoveniya RSFSR. Submitted December 2, 1964.



BRDLIK, P.M.; KAKABAYEV, A.

Experimental investigation of the condensation of inside-coil steam pipes. Inzh.-fim.zhur. 6 no.10:104-108 0 '63. (MIRA 16:11)

1. Institut stroitel'noy fiziki, Akademii stroitel'stva i arkhi-tektury SSSR, Moskva.

AMINOVA, R.Kh., kand. ist. nauk; TETENEVA, L.G., kand. ist. nauk;

ALIMOV, I.A.; DMITRIYEV, G.L.; DZHAMALOV, O.B., doktor

ekon. nauk, redaktor; DZHURAYEVA, T., kand. ist. nauk,

red.; ATFENYUK, S.Ya., red.; DANILOV, V.P., glav. red.;

EELOV, G.A., red.; GRIGOR'YAN, L.L., red.; IBRAGIMOV, Z.I.,

red.; IVNITSKIY, N.A., red.; IL'YASOV, S.I., red.; KAKABAYEV,

S.D., red.; KAMENSKAYA, N.V., red.; KRAYEV, M.A., red.;

RULITEV, O.K., red.; MAKHARADZE, N.B., red.; OBICHKIN, G.D.,

red.; PLESHAKOV, S.T., red.; RADZHABOV, Z.I., red.; SELEZNEV,

M.S., red.; TURSUNBAYEV, A.B., red.; FEDOROV, A.G., red.;

SHEPELEVA, T.V., red.; FATLAKH, B., red.; MASHARIPOVA, D.,

red.; BULATOVA, R., red.; GOR'KOVAYA, Z.P., tekhm. red.;

KARABAYEVA, Kh.U., tekhn. red.

[Socialist reorganization of agriculture in Uzbekistan]
Sotsialisticheskoe pereustroistvo sel'skogo khoziaistva v Uzbekistane, 1917-1926 gg. Pod red. O.B.Dzhamalova. Tashkent,
Izd-vo Akad. nauk UzSSR. Vol.1. 1962. 792 p. (MIRA 16:5)

l. Akademiya nauk Uzbekskoy SSR, Tashkent. Institut istorii i arkheologii.
(Uzbekistan--Agriculture)

CONFIDENCE AND ASSESSIBLE OF THE ASSESSIBLE OF T

SEMONSKY, M.; ROCKOVA, E.; ZIKAN, V.; KAKAC, B.; JELINEK, V.

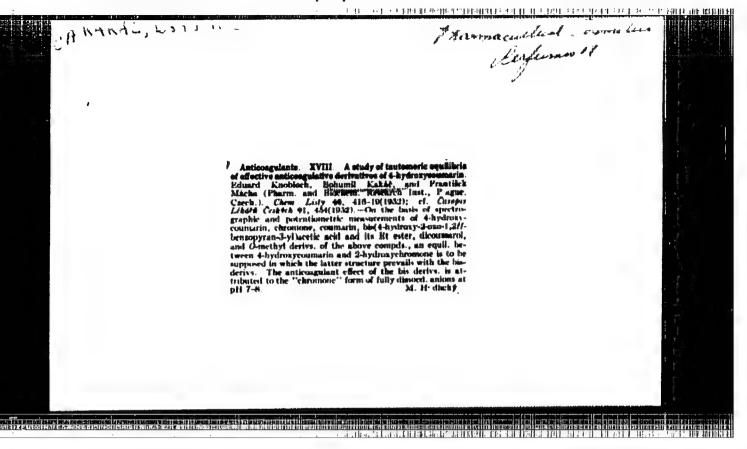
Substances with entineoplastic activity. Pt.5. Coll Cz Chem 28 no.2:377-396 F '63.

1. Forschungsinstitut fur Pharmazie und Biochemie, Prag.

JANCIK, F.; KAKAC, B.

Determination of 11-(3-dimet) ylaminopropylidene)6,11-dihydrodibenzo-b, enthiepan (Prothiadene). Cosk.
farm.13 no.1r3-6 Ja'64

1. Vyzkumny ustav pro farmeti a biochemii, Praha.



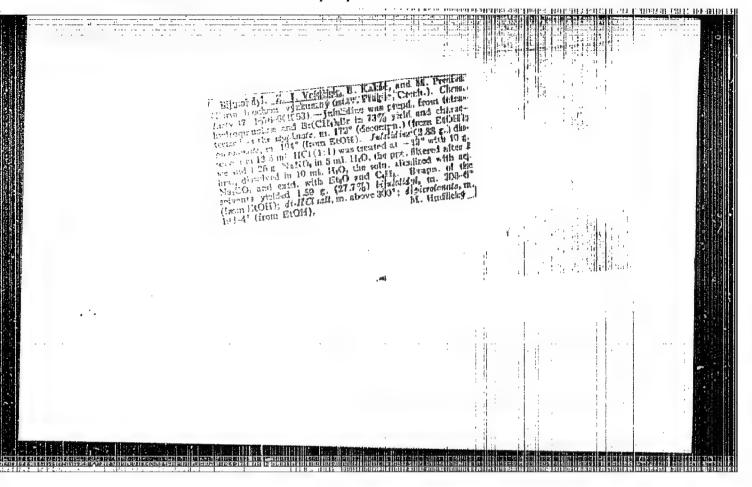
i 🕠 en likoson krisorial mezitarek Stali torden. Anno anno esticilo karti 🖰 priker de egit trodic meteblick

PUCIK, K.; KORISTEK, S.; JANCIK, F.; KAKAC, B.

Ant.coagulants. Part 15. Substitution of free hydrogen of the 4-hydroxy -coumarin and its derivatives [in German with summary in Russian]. Shor. Chekh.khim.rab. 18 no.5:694-709 0 53. (MERA 7:6)

1. Hauchno-issledovatel skiy institut farmatsii i biokhimii, Praga. (Coumarin) (Hydroxy compounds)

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619920019-4



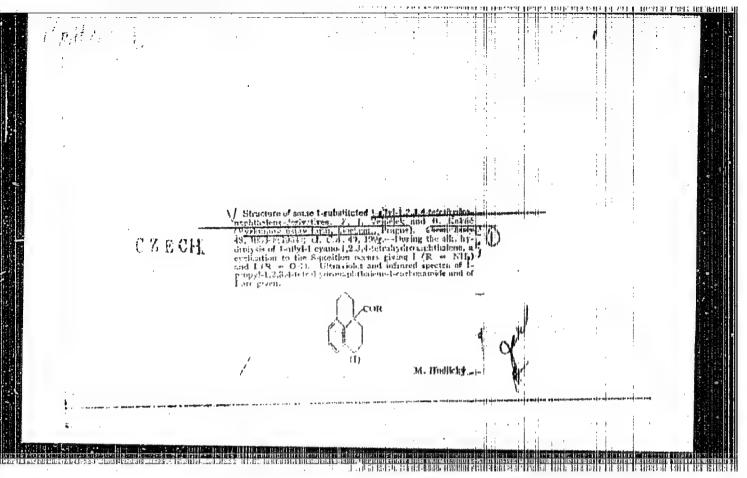
The same in the manufactured and residence and though a latter park Said Libert Estimator at Said Call, the 186

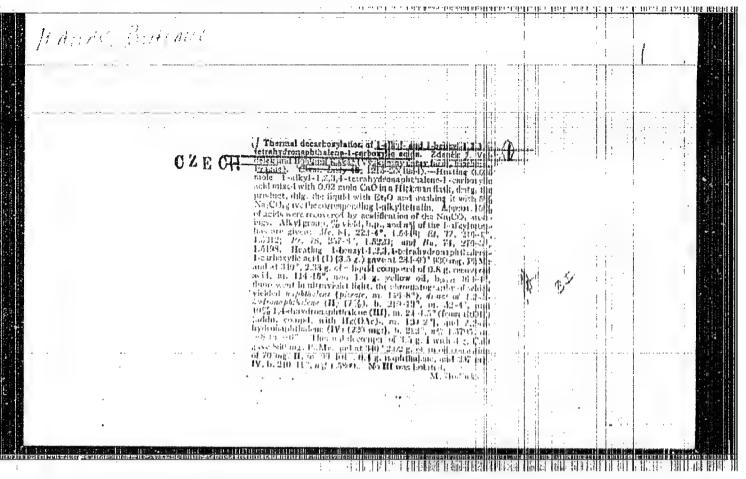
KAKAČ B. and SICHO V.

Výzkumny Úst. Farmacii a Biocham. Praha. *Stanovení Kyreliny partothenove rozdelovací chromatografii na paníre. Determination of pantothenic acid by paper partition chromatography CAS. LEK. CES. 1953, 92/49-50 (1372-1373)

The sample containing 8-15 mg. of pantothenic acid in 5 ml. is hydrolysed with 0.3 ml. of conc. HCl in a boiling water bath for 3 hr. After cooling 1 ml. of a 15% alkaline solution of hydroxylamine, HCl, and 1 ml. of 5 N-NaOH are added. After standing for 5 min. the pH is adjusted to 2.5-3.2 with HCl and the volume made up to 10 ml. With a micropipette 20 ul. are placed on the paper (Schleicher and Schuell 589 or Whatman 1) and chromatographed with a mixture of n-butanol, acetic acid and water (4:1:5). The spots are detected by spraying with 2% FeCl3 Violet spots of Rf 0.61 indicate the ferric compound of the hydroxemic acid derivative of hydroxydimethylbutyrolactone, a hydrolsis product of rantothenic acid. Besides this spot a reddish spot of Rf 0.1 due to alanine is visible. The unreacted hydroxylamine appears only after some hours as a spot of Rf 0.28 Heyrovsky - Prague

SO: Excerpta Medica Section II, Vol. 7, No. 12





Har harail K44A-

CZECHOSLOVAKÍA / Chemical Technology, Chemical Products and

2-17

· E-TU-TO BUILD FOR BUILDING BUILDING DE BERTEIN POR BOM FOR DE LE BART COUR ESTE E PUIT ET UT ARRAS DU LONG FORMANT DE FAN

Their Application, Fart 3. - Drugs, Vitamins, An-

tibictics.

: Rof Zhur - Khim., No 14, 1958, No 47812 Abs Jour

: Zdonek Fadr, Bohumil Kekec. Author

Inst

: Stability Study of Sodium Salt of Adonosinetriphosphoric Title

Acid.

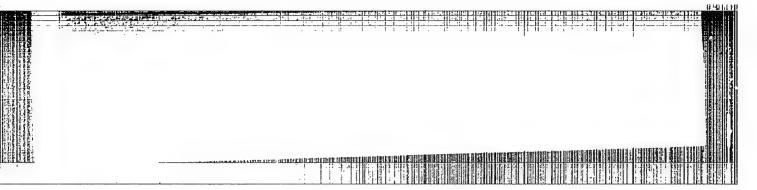
: Ceskosl. farmac., 1955, 4, No.2, 83 - 84. Orig Pub

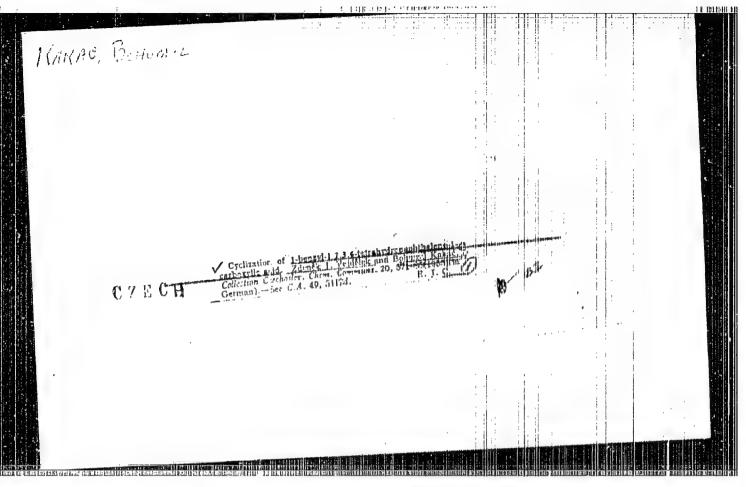
No abstract. Abstract

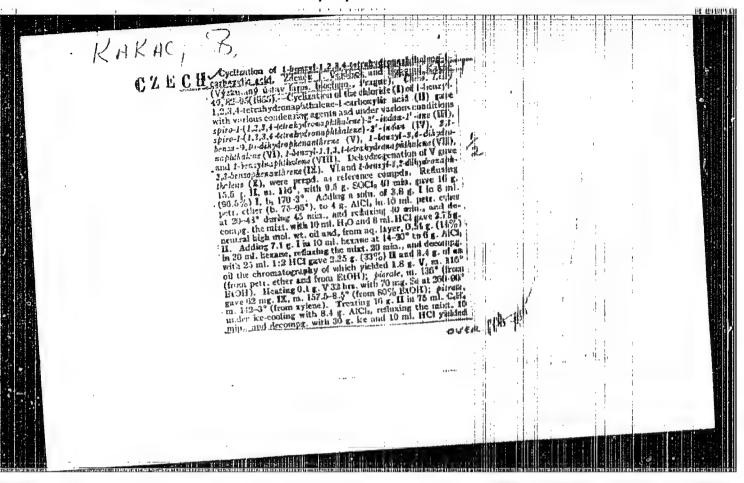
13

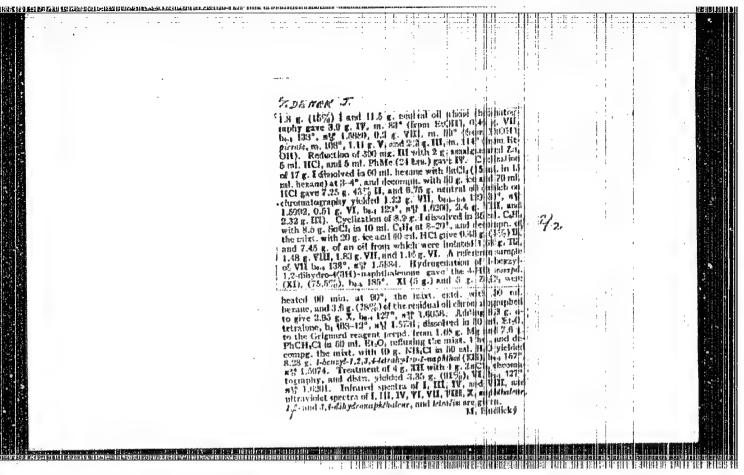
Card 1/1

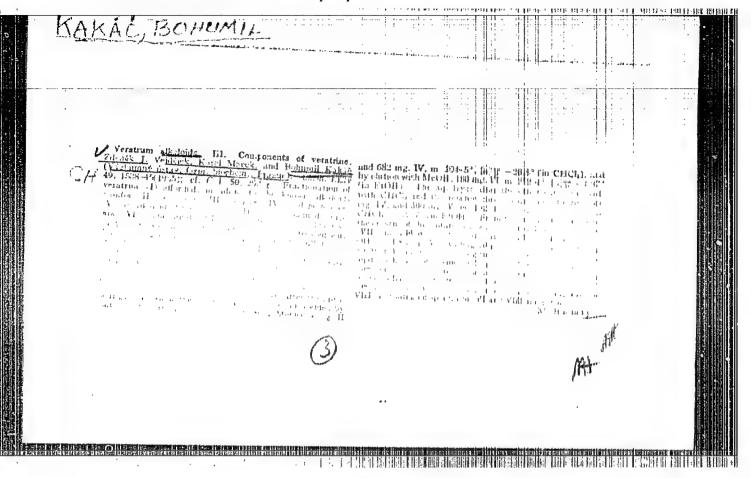
CIA-RDP86-00513R000619920019-4" APPROVED FOR RELEASE: 08/10/2001











KAKAC, BOHUMIL

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and

Their Application. Medicinals. Vitamins.

J-3

Antibiotics

Abs Jour

: Referat Zhur - Khimiya, No 2, 1958, 5591

Author

: Kakac Bohumil, Vejdelek Zdendk J.

Inst

: Not given

Title

: Determination of Ethianacine

Orig Pub

: Ceskosl, farmac., 1956, 5, No 3, 140-146

Abstract

: On action of micotinovi chloride on ethylene glycol there are formed, in addition to the main product -- ethianacine, beta-hydroxyethyl nicotinate (I) -- also the dinicotinate of ethylene glycol (II) and nicotinic acid (III). Since II renders unstable the solutions of I used for injections, a polarographic method was developed for determining I in the presence of II and also active likely the solutions.

the presence of II, and also of III. After separation of I from III and II, on the basis of different solubility in alkaline medium, II can also be determined polarographically with an accuracy of up to 0.1%; III is determined volumetrically.

BOHUML KAKAC B

Category: Czechoslovakia/Analytical Chemistry - Analysis of organic G-3

substances.

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 31064

Author : Smid Milos, Kakac Bohumil, Padr Zdenek

Inst : not given

Title : Tetrazolium Salts. I. Determination of 2-Methyli-1,4-Naphtho-

quinone.

Orig Pub: Ceskosl. farmac., 1956, 5, No 4, 212-215

Abstract: Cleavage products formed on action of alkali on 2-methyl-1,4-

naphthoquinone (I) reduce 2,3,5-triphenyl-tetrazolium chloride (II) or 3,3'-dianisol-bis-4,4'-(3,5-diphenyl)-tetrazolium chloride (III) to colored formazanes. Intensity of the coloration of the formazanes that are formed depends on the concentration of I in the initial solution. This is utilized for a photometric determination of I in the injection solutions of K-Spofa vitamin (IV). The plot the calibration curves, there are consecutively poured together alcohol solutions of I (10 ml., 1-10 //ml),

Card : 1/2 -9-

कार्य कल्लांस्यात्रवाले कोज्योत्सिकः ज्ञेलेसिलांकः विकासः काज्यां से से करत् । सक्तरः विवास सिक्सः क्रिसां

KARAU, Behumil

Czechoslovakia Chemical Technology. Chemical Productor I-21

and Their Application

Medicinals. Vitamins. Antibiotics.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32307

Author: Kakac Bohumil, Roubal Zdenek

Title : Polarographic Determination of 7-Iodo-8-

Hydroxyquinoline-5-Sulfonate of Bismuth

(Bi-Yellow)

Orig Pub: Ceskosl. farmac., 1956, 5, No 5, 271-273

Abstract: The method for the determination of "Bi-Yellow"

is based on a polarographic reduction of 7-iodo-8-hydroxyquinoline-sulfonic acid and the tartrate complex of bismuth in the buffer solution

of MacIlvaine (pH 5). In comparison with the gravimetric and volumetric determinations the

Card 1/2

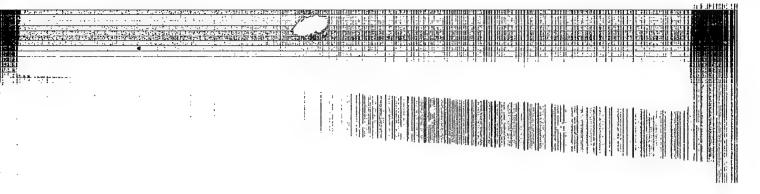
Czechoslovakia / Chemical Technology. Chemical Products I-21 and Their Application

Medicinals. Vitamins. Antibiotics.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32307

the polarographic method has that advantage that it permits a simultaneous and sufficiently accurate determination of both component parts of the preparation. Comparative date on determination of both component parts of the preparation. Comparative data on determination of the preparation by different methods are included.

card 2/2





KAKAC, B.

CZECHOSLOVAKIA / Analytic Chemistry. General Topics.

E

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60556.

: V - Jiri Korbl, Bohumil Kakac; VI - Jiri Korbl, Rudolf Pribil; VII - Jiri Korbl, Eduard Kraus, Rudolf Pribil.

Inst

T1tle : Metallochromic Indicators. V. Properties of Methylthymol Blue as of Acid-Base Indicator, VI. Analogues of o-Cresolphthalein Complexon. VII Glycinethymol

Orig Pub: Chem. listy, 1957, 51, No 9, 1680-1685; No 10, 1804-1808; 1809-1813.

Abstract: The behavior of methylthymol blue (I, 3,3'-bis-N

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619920019-4

CZECHOSLOVAKIA / Analytic Chemistry. General Topics.

F

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60556.

Abstract: . 10⁻⁵ M solution of I with 595 m ^M depending on pH; 2 more changes of I color in the alkaline region from light-blue into grayish yellow and, at least, into dark-blue correspond to the two latter pK values. The adduction of three protons takes place in strongly acid solutions of I; the adduction to quinone O accompanied with the destruction of the H bridge is revealed by the change of I color from yellow into red. This transition is shifted to the more acid region as compared with II. The acid-base properties of I may be explained dyes, the electron structure of which is more symmetrical, are colored more intensively.

VI. The acid-alkaline and metallochromic proper-

Card 4/11

CZECHOSLOVAKIA / Analytic Chemistry. General Topics.

E

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60556.

Abstract: already at pH = 7 to 8; it becomes more intensive with the rise of pH in consequence of the formation of colored ions. The color intensity of individual forms depends on the fact, whether a symmetrical, or an asymmetrical resonance system is being produced, at which occasion it is necessary to take into consideration the hydrogen bridges between the phenol O-s and N atoms. The alkaline form of III is purple, that of IV is blue, and that of V is violet. A qualitative color change from blue into reddish-gray is observed in IV near pH = 12. The color of III becomes weaker at pH = 13 to 14 analogously to the initial indicator. The least and, consequently, the most favorable intensity rise of the coloration proper together with pH is observed at IV. III, IV and V possess

Card 6/11

62

CZECHOSLOVAKIA / Analytic Chemistry, General Topics.

E

**** ***** une entre prese secut a troutent operation in the contract of the c

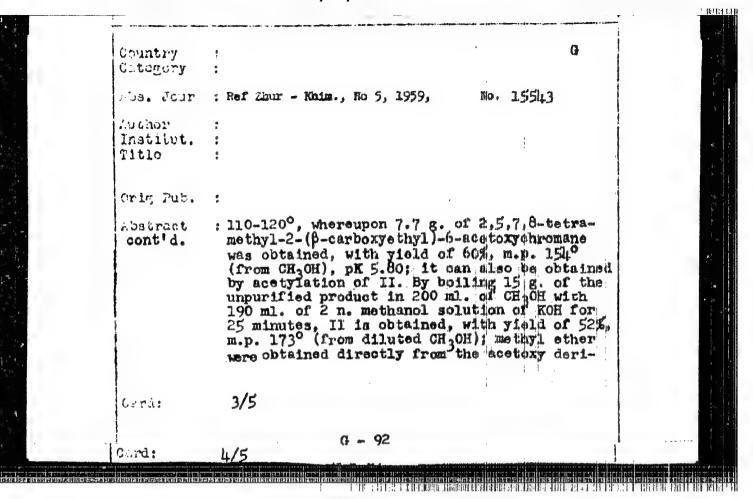
Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60556.

Abstract: VI are lower as compared with I or other similar indicators (Ni²⁺, Fe³⁺ and Pd²⁺ produce complexes). Starting from pH = 3. VI produces complexes of dark blue color with numerous cathions at various pH magnitudes. At the titration with ethylendinitrilotetraacetic acid (VII) solution, the color transitions are clear in the case of Cu²⁺, Zn²⁺, Pb²⁺ and Hg²⁺, and they are lengthy in the case of Pd²⁺, Ni²⁺, Co²⁺ and Fe³⁺. The application of VI is practically important first of all for the direct complexonometric determination of Cu²⁺ in an acid medium; VI is suitable for that purpose more than 1-(2-pyridylazo)-2-naphthol or variamine blue B first of all because the Cu complex is well soluble and due to the clear change of color. Method of work: a corresponding volume of 0.05 M

Card 10/11

64

Clies 1890 Isonicanalem and constitution of the interview of an interview of the interview of the series of the se Country · CZECHOSLOVAKIA Catogory : Organic Chemistry. Natural Substances and Their Synthetic Analogs Da. Joan : Ref Zhur - Khim., No 5, 1959, No. 15543 : Weichet, J.; Blaha, L.; Kakac, B. Luchor Institut. Titlo : Studies in the Series of Vitamins K and E. VI. Preparation of 2,5,7,8-Tetramethy1-2-(β-Carb-oxyethy1)-6-Oxychromane and the Froduct of : Chem. listy, 1958, 52, No 4, 722-726 Crin Pub. Abstract : One of the final products of the excharge of 1-tocopherol-lactone 2-(3-oxy-3-methyl-5-carboxypentyl)-3,5,6-trimethylbenzoquinone (I), is obtained by a method analogous to the process of oxidation of tocopherols to tocopheryl quinones - by oxidation of 2,5,7,8-tetramethy1-2-(β-carboxyethyl)-6-oxychromane (II). The product is identical to the natural one according # Its Oxidation 1/5 Card:



tom karang bin ngambanabangang ngawalang beranjang berangang dalah di parang mangalang pakang bang da bangang b

CZECHOSLOVAKIA / Analytical Chemistry. Analysis of E-3 Organic Substances.

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 27143.

Author : Jancik, F., Kakac, B., Vanicek, V., and Brublov-

ska, M.

Inst

: Not given. : The Volumetric and Polarographic Determination of Title

and Stability Studies on N-Nitroso-N-Methylurea.

Orig Pub: Chem Listy, 52, No 5, 909-914 (1958) (in Czech).

Abstract: Two methods have been developed for the quantitative

determination of N-nitroso-N-methylurea (I), an

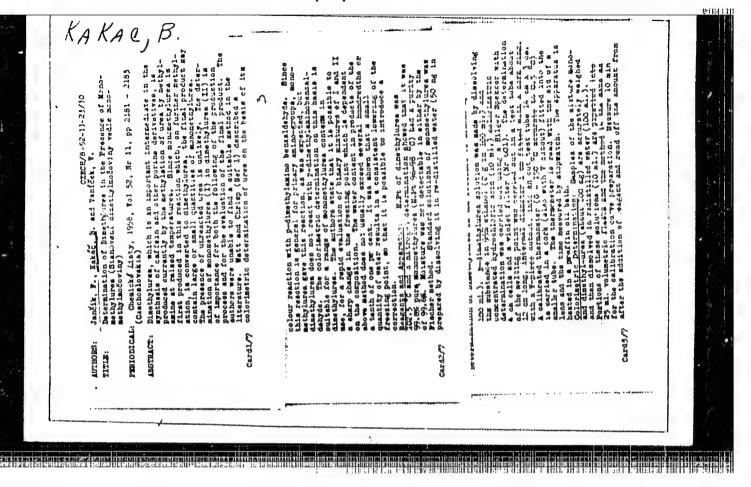
acidimetric method and a polarographic method. When the acidometric method is used, the excess NaOH left after the alkaline hydrolysis of I by the equation Ch₃N(NO)CONH₂ + NaOH \rightarrow CH₂N₂ + NaCHO + 2H₂O is titrated. 150-200 mg I is stirred with 25 ml 0.1 N

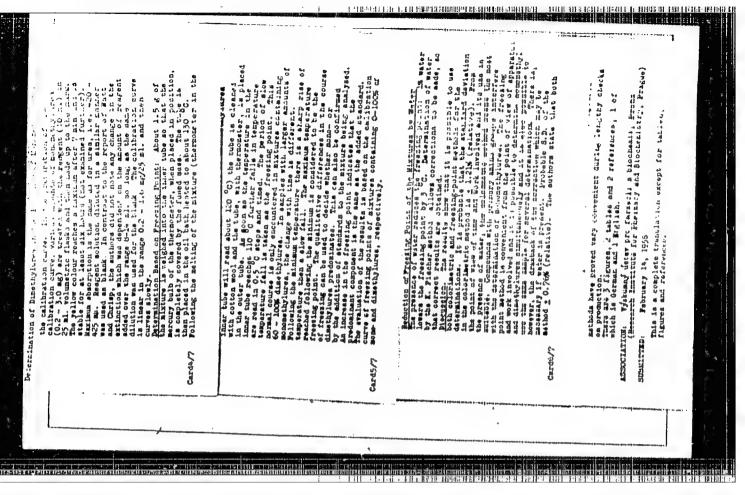
Card 1/2

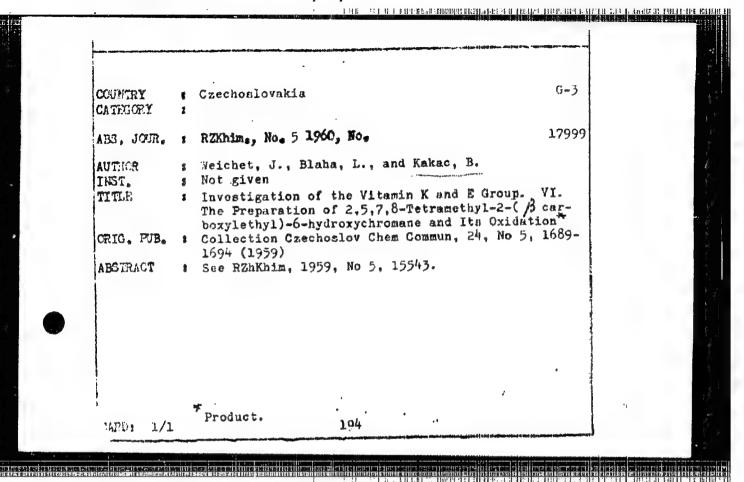
87

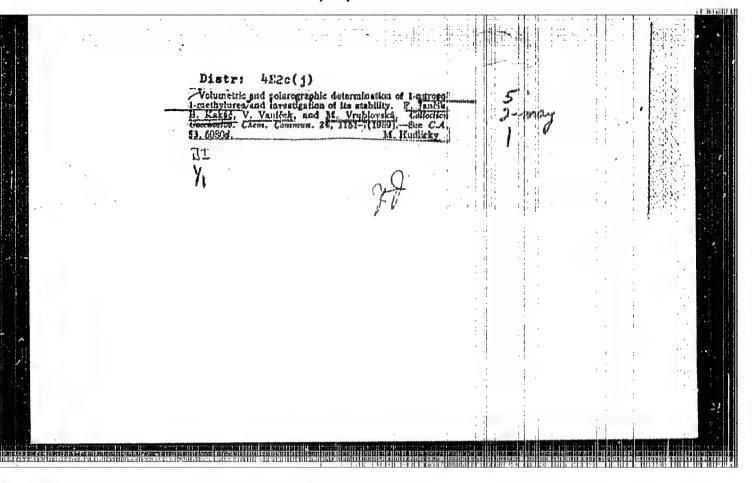
"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619920019-4









COLUMN AND THE STATE OF A CONTRACTOR WINDOWN DESIGNATION OF A STATE OF A COLUMN ASSET OF A STATE OF A COLUMN ASSET OF A

ADLEROVA, E.; BLAHA, L.; BOREVICKA, M.; ERNEST, I.; JILEK, J.O.; KAKAC, B.;
NOVAK, L.; RAJSNER, M.; PROTIVA, M.

Synthetic experiments in the group of hypotensive alkaloids. VI. Some notes on the preparation of alicyclic components in the synthesis of compounds of the reserpine type. Goll G2 Chem 25 no.1: 221-236 Ja '60. (ERAI 9:12)

1. Forschungsinstitut fur Pharmazie und Biochemie, Prag.
(Alkaloids) (Hypotension)
(Alicyclic compounds) (Reserpine)

BLAHA, L.; WEICHET, J.; ZYACEK, J.; SMOLIK, S.; KAKAC, B.

Synthetic experiments in the group of hypotensive alkaloids. VII. Preparation of (+)-descriptione and (+)-isodescriptione. Coll Cz Chem 25 no.1:237-244 Ja *60. (EEAI 9:12)

1. Forschungsinstitut fur Pharmazie und Biochemie, Prag.
(Alkaloids) (Hypotension) (Deserpidine)
(Isodeserpidine)

TO THE STATE OF TH

HOVAK, L.; JILEK, J. O.; KAKAC, B.; ERNEST, I.; PROTIVA, M.

Synthetic experiments in the group of hypotensive alkaloids. IX.A new method for splitting racemates in the total synthesis of reserpine. Coll Cz Chem 25 no.8:2196-2206 Ag 160. (REAI 10:9)

1. Forschungsinstitut fur Pharmasie und Biochemie, Prag.

(Alkaloids) (Hypotension) (Tartaric acid) (Reserpine)

In the state of th

EXNER, O.; KAKAC, B.

Acyl derivatives of hydroxylamine. V. Acylation of derivatives of hydroxylamine. Coll Cz chem 25 no.10:2530-2539 0 160. (EBAL 10:9)

1. Institut de polarographie de l'Academie des sciences tchecoslovaque, Prague et Institut de recherches pharmaneutiques et biochimiques, Prague.

(Acylation) (Hydroxylamine)

HANC, O.; CAPEK, A.; KAKAC, B.

Microbiological transformation of steroids, XV. Transformation of steroid S (Reichstein) by Absidia orchidis 310. Folia microbiol 6 no.6: 392-397 161.

1. Research Institute for Pharmacy and Biochemistry, Praha 12.

(HYDROCORTISONE rel apds)

KAKAC, B.; VEJDELEK, Z. J.

Photometric determination of some components of witamin B complex. Cosk. farm. 10 no.10:522-540 D *61.

1. Vyskumy ustav pro farmacii a biochemii, Fraha.

(VITAMIN B COMPLEX chem) (PHOTOMETHY)

: This may be proportionally the substitution of substitution in proportion of the p

RAJSNER, M.; KAKAC, B.; PROTIVA, M.

Synthetic experiments in the group of hypotensive active alkaloids. X. Reaction of 3-bromine-5-acetoxy-8-hydroxy-eis 3,4,5,8,9,10-hemmy hydro-1-naphthoic-acid lactone with silver(I)-acetata. Coll Cz chem 26 no.1:91-97 Ja '61. (EEAI 10:9)

1. Forschunginstitut fur Pharmasis und Biochemie, Prag.

(Hypotension) (Alkaloids) (Bromine) (Lastones) (Silver acetate) (Hexahydronaphthoid acid) (Hydrides)

TO THE REPORT OF A MICHIGAR CONTROL OF A MARKET STATE OF A STATE O

PROTIVA, M.; CAPEK, A.; JILEK, O.; KARAC, B.; TADRA, N.

Synthetic experiments in the group of hypotensive active alkaloids. XVIII. Microbiologic reduction of lactons of the (†)-5-cxc-8/3-hy-droxy-cis-1,4,5,8,9,10-hexahydro-1/2-naphthalic acid. Coll Cs chem 26 no.6:1537-1541 Je '61.

1. Porschungsinstitut fur Pharmasie und Biochemie, Prag.

(Lactons) (Naphthalic acid)

THE PERSON OF BRITISHES TREADED RESIDENCE CONFIDENCE AND LEADING OF A TEXAL PROPERTY OF A DESCRIPTION OF BRITISH

terre

JILEK, O. J.; KAKAC, B.; PROTIVA, M.

Synthetic experiments in the group of hypotensive setime alkaloids. Part 19: Reduction of (±)-5,8-dioxo-cis-1,4,8,9,10-hexabydro-1 /8-naphtoicacidisopropylesters according to Mearwain, Coll Cs Chem 26 no.9:2222-2237 61.

1. Forsehungsinstitut fur Pharmasis und Biochamie, Prag.

(Alkaloids) (Esters)

CAPEK, A.; HANG, O.; KAKAG, B.; TADRA, M.

Microbial transformation of steroids. XVIII. Dehydrogenation of cortisone in position 1-2. Folia microbiol. 7 no.3:175-180 *62.

1. Research Institute of Pharmacy and Biochemistry, Prague 3.

(STEROIDS metab) (FUNGI metab) (MYCORAGTERIUM metab)

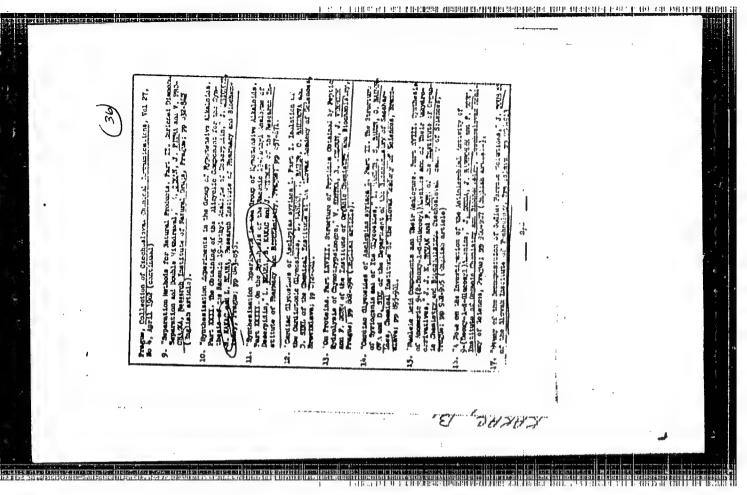
CAPEK, A.; TADRA, M.; KAKAG, B.; SHREST, I.; FROTIVA, M.

Microbiological transformation of derivatives of hexahydronaphthote acid. Folia microbiol. 7 no.41253-254 162.

1. Institute of Phermacy and Biochemistry, Prague 3.

(NAPHTHALENES - metabolism) (LACTOMES - metabolism)

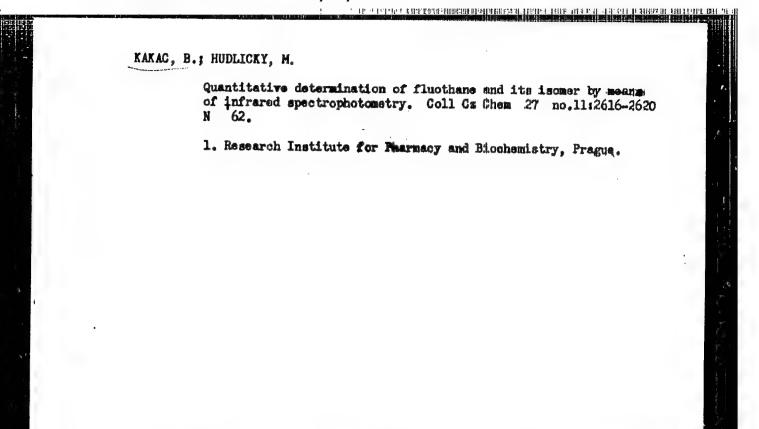
(FURGI - metabolism) (ACTINOMECS - metabolism)

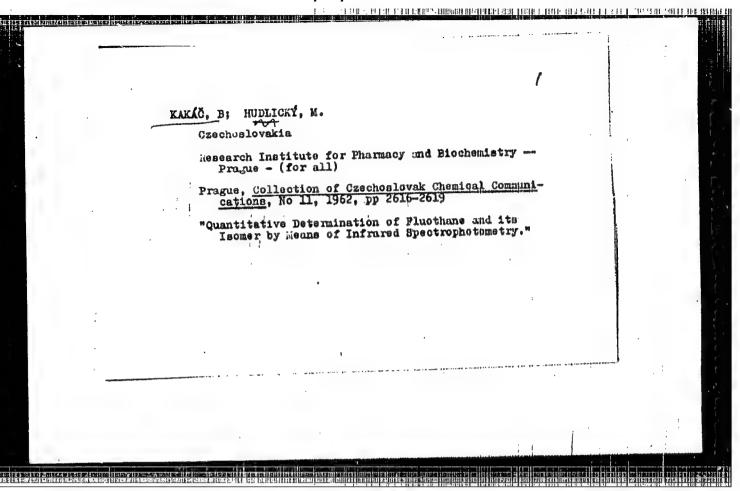


SEMONSKY, M.; ROCKOVA, E.; CERNY, A.; KAKAC, B.; MACEK, K.

Substances with antineoplastic effect. Fart 4: Some y-aryl-a, f-substituted 21/2-crotonlactones. Coll Cs Chem 27 no.8:1939-1904 Ag 162.

1. Forschungsinstitut fur Fharmazie und Biochemie, Frag.





DECENT OF

SEMONSKY, M.; ROCKOVA, E.; ZIKAN, V.; KAKAO, B.1 JELINEK, V.

Research Institute for Pharmacy; and Biochemistry, Prague (for all)

Prague, Colloction of Czechoslovak Chamical Communications, No 2, 1953, pp 377-396

" Substances with Antineoplastic Effect V. Solvolysis of Sume p-Aryl- v. 6 - - Dihalogen- Aug - Orotoniactones

(4)

EXMER. O: KAZAC. B.

1. Polarographic Institute of the Szecheslevak Academy of Sciences, Prague; 2. Research Institute for Pharmacy and Biochemistry, Frague (for both)

Progue, Collection of Czochoslovak Chemical Communications, 7, 1063, 20 1656-1662

"Acyl Lerivatives of Hydroxylamine. VIII. A Spectroscopic Study of Teutomeries of Hydroxamic Addds."

KAKAC, B.

SEMONSKY, M.; CERNY, A.; KAKAC, B.; SUBRT, V.

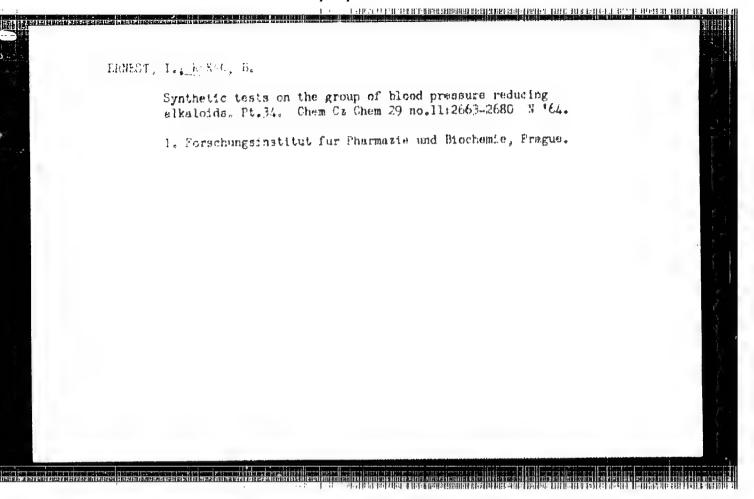
Substances with antineoplastic activity. Pt. 6. Coll Cz Chem 28 no. 12:3278-3289 D '63.

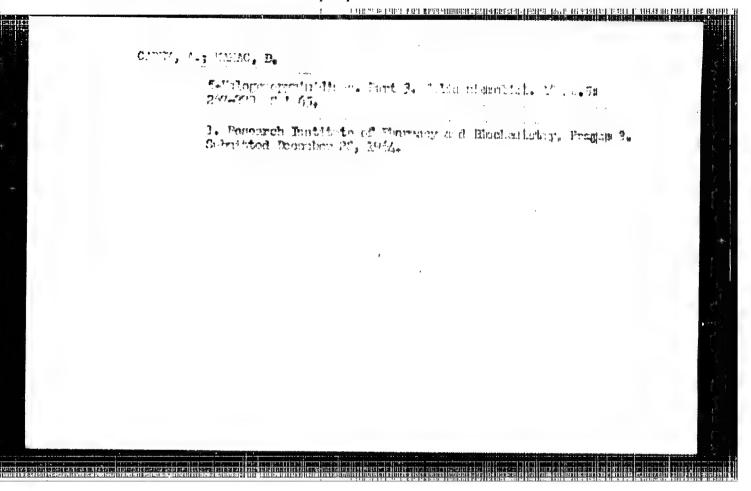
1. Forschungsinstitut fur Pharmazie und Biochemie, Prag.

ERNEST, I.; KAKAC, B.; PROTIVA, M.

Synthetic experiments in the group of active hypotensive alkaloids. Pt.31. Coll Cz Chem 29 no.1:251-265 Ja'64.

1. Forschungsinstitut für Pharmazie und Biochemie, Frag.





THE REPORT OF THE PROPERTY OF

KAKAC, B.; HUDLICKY, M.

Organic compounds of fluorine. Pt.7. Coll Cz Chem 30 no.3: 745-751 Mr '65.

1. Research Institute of Pharmacy and Biochemistry, Prague. Submitted February 25, 1964.

CZECHOSLOVAKIA

KOLINSKY, J.

Leciva, Dolni Mecholupy and Research Institute for Pharmacy and Biochemistry - (for all).

Prague, collection of Czechoslovak Chemical Communications, No 11, November 1965, pp 3767-5771.

"Synthesis of (±)-4-methyllobeline."

CHECHOHLOVAKIA

HUDLICKY, H: KARAC, B

Research Indtitute for Pharmacy and Biochemistry, Prague - (for both)

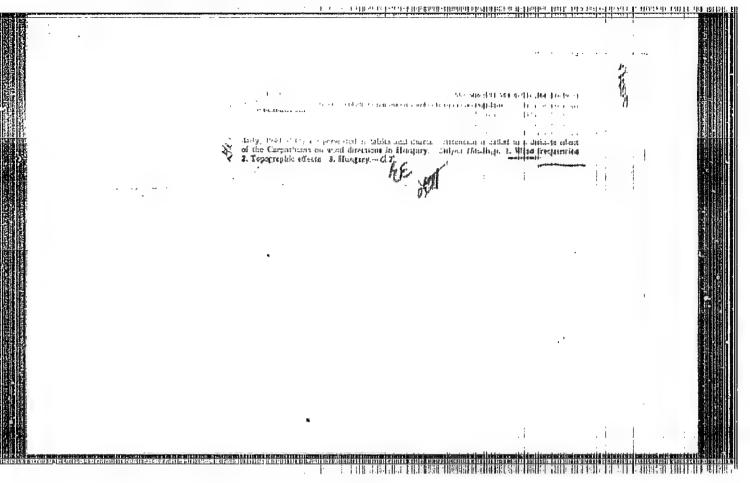
Pregue, Collection of Czeoboslowsk (Mendual Communications, Ho 3, March 1966, pp 1101-112

"Organic compounds of fluorine. Part 10: The synthesis of 6-fluorenerieucine, 6-hydroxymenteuchine, alleged outine, ω -hydroxymenteucine, and 5-methylproline."

KAKAS, J., dr.

Joint conference arranged by the Hungarian Hydrological Society and the Hungarian Meteorological Society. Idejaras 66 no.3:192 My-Je '62.

1. Szerkeszto, "Idojaras".



KAKAS, J.

"Visit by Tu Chang Wang, Chinese Professor of Meteorology to the Hungarian Institute of Meteorology." p. 317, (IDOJARAS, Vol. 57, no. 5, Sept./Cat. 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

KAKAS, J.

"The Hungarian Geographical Society is 80 Years Old." p. 319, (IDDJARAS, Vol. 57, no. 5, Sept./Oct. 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

. CETTECT CONTROL OF THE BUSINESS AND AND AND THE PROPERTY OF THE PROPERTY OF

KAKAS, J

Bela Bell's A talaitol a legkor hataraig (From the Ground to the Limits of the Atmosphere); a book review. p. 122.

IDOJARAS Vol. 58, no. 2, Mar. / Apr. 1954 Budapest, Hungary

Sol. EAST EUROPEAN ACCESSIONS LIST VOL. 5, no. 7, July 1956

and the state of the continuous continuous continuous continuous and the continuous and the continuous continu

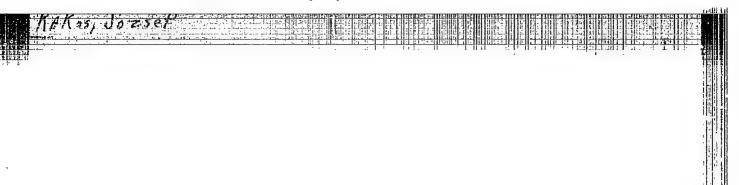
KAKAS, J.

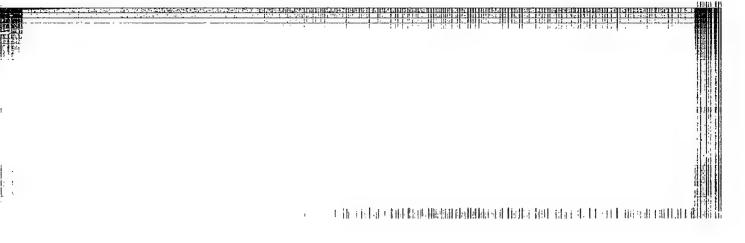
Climate Atlas of German Democratic Republic; a book review. p. 124.

IDOJARAS VOL. 58, no. 2, Mar./Apr. 1954

Budapest, Hungary

so. EAST EUROPEAN ACCESSIONS LIST VOL. 5, no. 7, July 1956



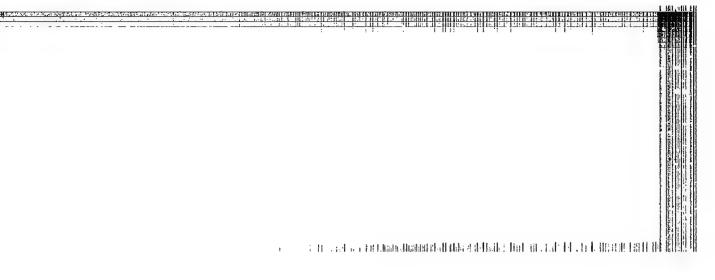


KAKAS, J.

The 1953 March drought in Hungary. p. 153. IDOJARAS. Budapest: Vol. 59, no. 3, May/June 1955.

SOURCE: East European Accessions List (BEAL), LC, Vol. 5, No. 2,

February 1956



KAKAS, J.

Visit of the director of the Hungarian Meteorologic Institute to the Soviet Union. p. 305

Vol. 59, no. 5, Sept./Oct. 1955 IDCJARAS Budapest

Source: Monthly list of East European Accessions, (KEAL), LC, Vol. 5, no. 3, March 1956

KAKAS, J.

The First Hungarian Geographical Congress. p. 314

Vol. 59, no. 5, Sept./Oct. 1955 IDOJARAS Budapest

Source: Monthly list of East European Accessions, (EEAL), IC. Vol. 5, no. 3, March 1956

THE SECTION WITHOUT THE SECTION OF T

KAKAS, J. ; XOZORATYZXX

Absolute mazimum of 24-hour rainfall in Hungary. p. 344. IDOJARAS. (Meteorologiai Intezet es Magyar Meteorologiai Tarsasag) Budapest. Vol. 59, no. 6, Nov./Dec. 1955

SOURCE: East European Accessions List (EEAL), Library of Congress Vol. 5, no. 6, June 1956

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619920019-4"

KAKAS, J. : HEZOSI, H.

Investigation of our wind conditions and national power aconomy. p. 350. (Idojaras, Vol. 60, no. 6, Nov./Dec. 1956, Hungary)

50: Monthly List of East European Accessions (ERAL) LC. Vol. 6, no. 6, July 1957, Uncl.